


CLAIMS

- 5 1. A receiver comprising:
- (a) means for receiving a packetized input data stream comprised of multiplexed and compressed packets, each of said packets having at least header and payload data;
- 10 (b) means for receiving a digitized audio signal and a digitized video signal;
- (c) means for partitioning said packetized data stream to generate a video component and an audio component;
- (d) first means for digital signal processing to generate a decompressed video output signal in response to one of said video
- 15 component of said packetized data stream and said digitized video signal;
- (e) second means for digital signal processing to generate a decompressed audio output signal in response to one of said audio
- 20 component of said packetized data stream and said digitized audio signal; and
- (f) means for transposing said video output signal to a displayable video signal and said audio output signal to an audible output signal.
- 25 2. The receiver of claim 1 further comprising an adjustable means for delaying said output audio signal to be in synchronism with said displayable video signal.
- 30 3. The receiver of claim 2 wherein said adjustable delaying means comprises an adjustable memory device.
4. The receiver of claim 3 wherein said delaying means is connected to said second processing means.
- 35 5. The receiver of claim 3 wherein said delaying means is connected to said partitioning means.
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6. The receiver of claim 4 or claim 5 wherein said second processing means further comprises means for secondary audio processing.

5 7. The receiver of claim 6 wherein said secondary audio processing means comprises means for surround sound processing.

8. The receiver of claim 1 or claim 7 wherein said first processing means comprises a means for converting said digitized video signal having an interlace video format into a digitized video signal having a progressive scan format.

9. A method for processing an input signal having a video component and an audio component, said method comprising:

15 (a) receiving one of a packetized input data stream and a digitized signal comprised of a digitized video signal and a digitized audio signal;

(b) partitioning one of said packetized data stream to generate a video component and an audio component;

20 (c) converting said digitized video signal into a progressive scan format;

(d) processing one of said video component of said packetized data stream and said digitized video signal to generate a decompressed video output signal;

25 (e) processing one of said audio component of said packetized data stream and said digitized audio signal to generate a decompressed audio output signal,

(f) transposing said video output signal to a displayable video signal and said audio output signal to an audible output signal.

30 10. The method of claim 9 further comprising delaying said audio output signal to be in synchronism with said displayable video signal.

35 11. The method of claim 10 wherein the step of delaying comprises providing said audio output signal to an adjustable memory device.

12. The method of claim 11 further comprising the step of providing said audio output signal to a secondary processor.